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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,785	08/08/2006	Takashi Tsunoda	01197.0278	2794
22852 FINNEGAN I	7590 07/31/200 HENDERSON FARAR		NNER EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP		WITHERSPOON, SIKARL A		
	RK AVENUE, NW N, DC 20001-4413		ART UNIT PAPER NUMBER	
			1621	
			MAIL DATE	DELIVERY MODE
			07/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/588,785	TSUNODA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Sikarl A. Witherspoon	1621				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from (6), cause the application to become ABANDON	DN. timely filed m the mailing date of this communication. IED (35 U.S.C. § 133).				
Status						
<u> </u>	Responsive to communication(s) filed on <u>04 June 2007</u> .					
,						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-7 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
7) Claim(s) is/are rejected.	6) Claim(s) 1-7 is/are rejected.					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 08 August 2006 is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119	`					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	_					
1) Notice of References Cited (PTO-892)	4) Interview Summai Paper No(s)/Mail I					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>8/8/06</u>. 		Patent Application				

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over GB 1324717.

The instant claims are drawn to a process for making an alcohol and/or ketone by contacting an alkene with an oxide catalyst comprising oxides of molybdenum and/or tin, wherein molecular oxygen is not fed to the reactor, and the catalyst is circulated between a fluid bed reactor and a regenerator, and wherein a stripper is provided on the way from the reactor to said generator.

GB 1324717 teaches a process wherein an alkene, i.e., propene or n-butene, is contacted with a supported catalyst comprising molybdenum oxide and tin oxide in the presence of steam, wherein the gas mixture comprises substantially no oxygen to produce the corresponding alkanone. In one embodiment, the catalyst circulates between the reaction zone and a regeneration zone in a moving bed, i.e., in a fluidized state (page 1, line 40 to page 2, line 40). The catalyst is comprised of from 15 to 33% tin oxide and from 13 to 15% molybdenum oxide (p 2, lines 101 to 111).

The major difference between the reference and the instant claims is that the reference does not expressly teach a stripper being provided on the way from the

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reactor to the regenerator. However, the reference does teach that the catalyst circulates between the reaction zone and a regeneration zone, and that steam and/or inert gas can be passed over the catalyst before and/or after contacting with an olefin-free mixture. This contacting of the catalyst with steam or inert gas is essentially a stripping step, and would be recognized by a person of ordinary skill in the art as such. It therefore would have been obvious to a person of ordinary skill in the art, at the time the present invention was made, to conduct this "stripping" step between the reactor and regenerator, since the presence of oxygen in the reactor may result in over oxidation of the alkene reactant and a reduced selectivity to the desired alkanone product.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikarl A. Witherspoon whose telephone number is 571-272-0649. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne Eyler can be reached on 571-272-0871. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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SIKARL A. WITHERSPOON PRIMARY EXAMINER

Sikarl A. Witherpor-